



Canyon Fuel Company, LLC  
SUFCO Mine  
397 South 800 West  
Salina, UT 84654  
(435) 286-4880 Fax: (435) 286-4499

**RECEIVED**

March 6, 2000

MAR 09 2000

DIVISION OF  
OIL, GAS AND MINING

Utah Coal Program  
Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801

Re: Third Submittal, Technical Review Deficiencies for Pines Tract Revision dated February 11, 2000, Canyon Fuel Company LLC, SUFCO Mine M&RP ACT/041/002-SR99D

Dear Permit Supervisor:

*Incoming*

The enclosed copies of materials are being submitted to update the Pines Tract Revision submitted on July 14, 1999. Attached are DOGM forms C-1 and C-2 and appropriate pages for modification on the Revision Amendment to the MRP.

These pages and plates have been revised to address the deficiencies in the Division letter dated February 11, 2000 and need to replace the pages in the original submittal binders.

The deficiencies and responses to the Pines Tract Revision:

1. **R645-301-230**  
Provisions for salvage and storage of the four inch A horizon, including cobbles and gravels.

**Response:**

*The permit has been modified to explain that, due to the difficult conditions, the topsoil layer will not be salvaged or stored separately from the subsoil. Also, at the time of final reclamation of the Muddy Creek Portal, the salvaged soil will be reapplied as substitute topsoil.*

2. **R645-301-242**  
Plan to reapply salvaged topsoil, including gravels and cobbles, after the subsoil is spread and roughened.

**Response:**

*See previous response.*

3. **R645-301-321**

Plate 3-1 needs to show the riparian vegetation community near Muddy Creek. It should also be revised to explain differences in vegetation community classifications and the apparent abrupt changes in vegetation communities across the boundary of the PTL.

**Response:**

*Riparian vegetation community near Muddy Creek has been added to Plate 3-1. The abrupt changes in vegetation communities across the boundary of the PTL is caused by using two different studies for the Quitichupah Tract and the PTL. The legend on Plate 3-1 has been modified to help make this clearer.*

4. **R645-301-322.200**

The application needs to contain a commitment that the applicant will identify and monitor populations of Link Trail columbines in the east fork of Box Canyon if it is determined mining negatively affects populations of this species in the main fork of Box Canyon.

**Response:**

*A commitment has been made in the M&RP to monitor populations within the east fork of Box Canyon if the monitored populations in the main fork of Box Creek are adversely affected by mining.*

5. **R645-301-322**

Muddy Creek and the lower portion of Box Canyon Creek apparently support a fishery, so any statements in the plan or application contradicting this need to be modified.

**Response:**

*Text on page 4-6 in the MRP has been modified to reflect this.*

6. **R645-301-322**

The applicant needs to confirm the location of nest 31 as shown on Plate 3-3 and correct this plate if necessary.

**Response:**

*Plate 3-3 has been corrected and was resubmitted with the Link Canyon Substation #2 Amendment - 2<sup>nd</sup> submittal dated February 7, 2000.*

7. **R645-301-322**

The application indicates the Link Trail columbine is a threatened or endangered species, but it is, instead, a USFS Region 4 sensitive species. This statement needs to be modified.

**Response:**

*The appropriate sections within Chapter 3 have been modified by removing references to the Link Trail Columbine as threatened or endangered. The Forest Service Region 4 sensitive species status of the Link Trail Columbine is discussed in Section 3.2.2.2 Site Specific Resource Information, subsection 150 Acre Sensitive Species of High Federal Interest.*

8. **R645-301-322**

The application says known raptor nests will be checked each year, but any area where subsidence could damage nests needs to be checked for both known and possible new nests.

**Response:**

*Text on page 3-7 in the MRP has been modified to reflect this.*

9. **R645-301-322**

The sage grouse is a USFS Region 4 sensitive species that should be added to the list in Table 3-3.

**Response:**

*The wildlife specialist with the Manti-La Sal National Forest was contacted to obtain their official list of USFS Region 4 sensitive species. Their most current list does not include the sage grouse. Once it is officially listed as sensitive by Region 4, the M&RP will be modified accordingly.*

10. **R645-301-322**

There appears to be an error in the legend of Plate 3-2 that needs to be corrected.

**Response:**

*The error in the legend of Plate 3-2 has been corrected.*

11. **R645-301-341**

The applicant needs to show what mulching methods would be used at the remote portals, including the type of mulch, rate, and means of application.

**Response:**

*The M&RP has been modified to discuss the use of erosion matting at the Muddy Creek Breakout during reclamation.*

12. **R645-301-411.140**

Based on discussions with the USFS and the applicant, it appears Plate 5-10, showing potential subsidence areas, is in error. The applicant needs to show in better detail those areas that will be subsided. If Plate 5-10 is correct and sites 42SV 2430 and 42SV 2432 would be subsided, the applicant needs to develop monitoring and mitigation plans

similar to what is being done for site 42SV 2492 and others.

**Response:**

*Plate 5-10 has been modified and the scale of the map has been enlarged to show better detail. Sites 42SV 2430 and 42SV 2432 will not be subsided.*

13. **R645-301-411.140**

The application needs to describe coordination efforts with and present evidence of clearances by the State Historic Preservation Office for the sites in the proposed addition to the permit area that are considered eligible for inclusion in the National Register of Historic Places. Based on its consultations, the Division may make requirements to protect these sites through appropriate treatment and mitigation.

**Response:**

*Statement has been added to page 4-10 in MRP stating that we will follow MOU agreement between the USFS - Manti-La Sal, USHPO, the Advisory Council on Historic Places, UDOGM, and the SUFCO Mine.*

14. **R645-301-521.100**

The applicant shall submit cross-sectional design maps identify the characteristics and features of the breakout in Muddy Creek including slope, breakout height, elevation and distance to Muddy Creek.

**Response:**

*A new Cross-sectional design map identifying the characteristics and features of the breakout in Muddy Creek has been included in the MRP as Figure 5-0 on page 5-12A in the MRP.*

15. **R645-301-521.140**

The applicant shall submit current mining map detailing the location of panels and their relationship to topographic features.

**Response:**

*The location of panels and their relationship to topographic features is shown on Plate 5-10 of the MRP.*

16. **R645-301-521.150**

The Permittee must give the Division a detailed contour map or equivalent of the proposed PTL breakout.

**Response:**

*Contours have been added to Plate 5-2C and are also shown on the new map Figure 5-0 on page 5-12A in the MRP.*

**RECEIVED**

MAR 13 2000

DIVISION OF  
OIL GAS AND MINING

17. **R645-301-521.190**

The Permittee must give the Division a legal description of the permit area and the number of federal, State and fee acreage.

**Response:**

*The total permit acreage by federal, state, fee and forest special use permit areas was shown on page 1-37 of the MRP. The legal description of the coal lease areas starting on page 1-33 of the MRP and the permit area legal description are the same. Text has been added to page 1-37 to state this.*

18. **R645-301-522**

The Permittee needs to give the Division a detailed coal recovery plan. The plan should contain the same information that is the R2P2 (Resource Recovery Protection Plan). The Division relies heavily on the recommendations of the BLM. Therefore, a letter from the BLM stating that they approved the R2P2 would be viewed by the Division as indication that the coal recovery plan is adequate.

**Response:**

*The description of the Coal Recovery is found in section 5.2.2 in the MRP. A new R2P2 was prepared for the Pines Tract Lease and resubmitted to the Bureau of Land Management and will be on file with them.*

19. **R645-301-522, -525.100, -623.300**

The permittee needs to show on Plate 5-7 or another map a projected plan for mining in the entire PTL.

**Response:**

*Mining projections for the entire PTL have been shown on Plate 5-7.*

20. **R645-301-522, -525, -622**

The BLM has requested, in a letter to UDOGM dated February 4, 2000, that a new R2P2 be prepared for the Pines tract significant revision. This new R2P2 should be prepared and submitted to UDOGM as part of this Pines Tract Significant Revision.

**Response:**

*A new R2P2 was prepared for the Pines Tract Lease and resubmitted to the Bureau of Land Management and will be on file with them.*

21. **R645-301-525.110**

The Permittee must give the Division a map of the permit and adjacent areas at a scale of 1:12,000, (1" = 1,000') or larger, showing the location and type of structures and renewable resource lands that subsidence may materially damage or for which the value or foreseeable use may be diminished by subsidence, and showing the location and type of State-appropriated water that could be contaminated, diminished, or interrupted by

subsidence. The maps in the amendment are at a scale of 1:24,000 or 1" = 2,000'.

**Response:**

*The map scale on Plate 4-1 Land Uses, Plate 5-10 Potential Subsidence Limits, and Plate 7-2 Surface and Groundwater Rights has been changed to a scale of 1:12,000. This larger scale required changing the Plates from one map into two maps. Plates 4-1A, 5-10A and 7-2A will be for the Quitchupah Tract and Plates 4-1B, 5-10B, and 7-2B will be for the Pines Tract.*

22. **R645-301-525.244**

The applicant should analyze the angle of draw of mining and subsidence data from similar mining conditions (best in the same longwall panel) to determine if the public feature, Refugia/Grotto, will fall within the influence of angle of draw and impact zone.

**Response:**

*The angle of draw has been reanalyzed for the Refugia/Grotto area. With the reduction of the number of entries in the bleeder, the out side entries were dropped resulting in the longwall panel moving closer to the Refugia/Grotto area. As a result the longwall panels in the Pines tract had to be realigned at an angle to get the Refugia/Grotto area out of the angle of draw. With the new alignment of the panels the Refugia/Grotto area will not fall within the influence of the 15 degree angle of draw and impact zone.*

23. **R645-301-525.410**

The Permittee must show the timing and sequence of mining operations for the PTL on Plate 5-2C or an equivalent mine map.

**Response:**

*Plate 5-2C is the Portal Surface Facilities map. Timing and sequence of mining operations are shown on Plate 5-7 in the MRP.*

24. **R645-301-525.420**

The Permittee must show on Plate 5-2C or an equivalent map the methods that will be used to prevent subsidence (first mining or access only for example).

**Response:**

*Plate 5-2C is the Portal Surface Facilities map. The methods that will be used to prevent subsidence (first mining or access only for example) are shown on Plate 5-7 in the MRP.*

25. **R645-301-525.440**

The Permittee must list the location of the new monitoring points that will be associated with the PTL on Table 5-2.

**Response:**

*Table 5-2 and Plate 5-10 have been updated to show the new monitoring points that will be associated with the PTL.*

26. **R645-301-542.200**

The Permittee must give the Division detailed maps and cross sections that show how the breakout portal will be reclaimed. Those maps must show the final surface configuration.

**Response:**

*A new Cross-sectional design map identifying the characteristics and features of the breakout in Muddy Creek has been included in the MRP as Figure 5-0 on page 5-12A in the MRP.*

27. **R645-301-542.800**

The Permittee must give the Division detailed reclamation cost data for the breakout portal.

**Response:**

*Detailed reclamation cost data for the Muddy Creek breakout portal has been added to the back of Appendix 5-9 in the MRP.*

28. **R645-301-552 and R645-301-553**

The Permittee must give the Division detailed reclamation plans for the breakout portal area.

**Response:**

*This issue has been addressed by the addition of Figure 5-0 to Chapter 5. A description regarding the sealing of mine portals is already given in the permit in Sections 5.4.2.7 and 5.5.1.*

29. **R645-301-553**

The Permittee must show how the breakout portal area will be restored to AOC requirements.

**Response:**

*A new Cross-sectional design map identifying the characteristics and features of the breakout in Muddy Creek has been included in the MRP as Figure 5-0 on page 5-12A in the MRP.*

30. **R645-301-622.200**

There are no maps showing the nature, depth, and thickness of the coal seam to be mined, any coal or rider seams above the seam to be mined, each stratum of the overburden, and the stratum immediately below the lowest coal seam to be mined.

**Response:**

*This information is shown on Figure 6-1 Generalized Stratigraphic Section in Chapter 6 in the MRP and on new Plates 6-3 and 6-4 Geologic Cross-sections in the MRP.*

31. **R645-301-722.100**

The applicant should provide a complete hydrologic inventory map of the PTL

**Response:**

*This map is already provided in the M&RP PHC.*

32. **R645-301-731.521**

Since the proposed breakout portal is down dip of the mine, and there is a high probability that groundwater will be intercepted into the mine after mining has ceased, the applicant should discuss how mine water discharge will be prevented.

**Response:**

*This is discussed on page 5-69, section 5.5.1 in the approved MRP. The seal is designed to hold the head of water behind it to keep mine water from flowing from the mine workings after the opening has been sealed.*

33. **R645-301-731**

Page 7-18, 1<sup>st</sup> paragraph- The text needs to be changed to add a description of the perennial reaches of Muddy Creeks. The perennial reaches need to be shown on Plate 7-3.

**Response:**

*Text has been added on page 7-18 of the MRP to add a description of the perennial reaches of Muddy Creek. The perennial and ephemeral stream flows are shown on Plate 9-1 in the MRP but the perennial reaches have also been added to Plate 7-3 as requested.*

34. **R645-301-731**

The applicant shall develop a monitoring plan to survey perennial flows in the channel of the East Fork of the East Fork of Box Canyon. This should be conducted on an annual basis during the months of September or October. The information will be used to determine the types of perennial flow that exist and any impacts. To date there is conflicting information on the type of stream that exists in the upper reach.

**Response:**

*As discussed during our meeting on February 25 at the Division's Salt Lake office, SUFCO is reluctant to add an additional monitoring site to the East Fork of the East Fork of Box Creek. The section of this fork that supports riparian vegetation has been documented to only flow during spring runoff or during periods of runoff after precipitation events. Surface water associated with the*



*Pines 105 spring appears to disappear downstream of the spring source and the riparian vegetation is supported by subsurface flows. The channel flow of the East Fork of the East Fork of Box Canyon has not been classified as a perennial flow and therefore the applicant is not developing a monitoring plan to survey perennial flows in this channel. Several Studies have already been done on this area that have not classified this channel as Perennial flow. In the Manti-La Sal National Forest Pines Tract Project FEIS dated January 1999, the perennial flows are shown on Figure 3-4 'Locations of Springs, Streams and Wells in the Project Area' and on Figure 3-8 'Surface Water Resources' and the East Fork of the East Fork of Box Canyon is not shown as a perennial flow. The PHC for the Pines Tract located in appendix 7-18 in Volume 10 of the MRP by Mayo and Associates, dated 12 July 1999, discusses in the text on page 35, section 5.1 'East Fork of Box Canyon' that the upper reaches are ephemeral or intermittent flows and shows on Figures 3, 7, 8, and 9 the perennial flows of the Pines Tract area and the East Fork of the East Fork of Box Canyon is not shown as perennial. The Ayres Associates report on the Hydrologic Issues of Box Canyon and East Fork Box Canyon Creeks dated November 1998 does not show this area as Perennial flow. The applicant has also been monitoring the springs, and streams on the Pines Tract on a quarterly basis since June 1997 for baseline information and have not observed flows in October in the lower end of the East Fork of the East Fork of Box Canyon.*

35. **R645-301-731**

The applicant shall develop an bi-annual (operational) fracture monitoring study to analyze the fractures that have developed in the upper reaches of the West Fork of Box Canyon. Information garnered from the study should be extrapolated to determine potential impacts to the East Fork of Box Canyon. Information should also be collected over panels where canyons do not appear on the surface, to identify the difference in subsidence fracture patterns. Monitoring sites shall be identified, marked, mapped and the report shall identify fracture locations and extent, depth and width of fractures, healing or spreading rates. Fractures should be plotted on a 1:24000 scale map. Monitoring sites should be established with the assistance of the DOGM geohydrologist and U.S. Forest Service geologist.

**Response:**

*A commitment has been made by SUFCO to develop a monitoring program for the subsidence cracks related to the undermining of the west fork of Box Canyon. This commitment can be found in Section 5.2.5.1 Subsidence Control Plan, subsection Subsidence Monitoring. This seemed to be a more appropriate location within the M&RP to discuss monitoring subsidence.*

36. **R645-301-731**

The flume in the main fork of Box Canyon below the already mined area and above monitoring point GW-20 should continue to be monitored. The stream becomes perennial at this point.

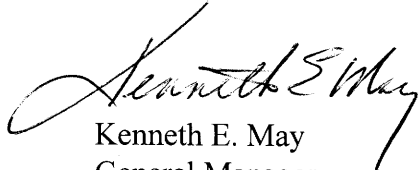
**Response:**

*Table 7-2 has been modified to include the monitoring of surface water site USFS-109.*

Your timely review and approval of the Pines Tract Revision will be greatly appreciated. Approval is respectfully requested by April 15, 2000. This action will allow continued operations of all mining sections at the SUFCO Mine and recovery of the reserves in the lease modification area.

If you have any questions or need additional information, please contact Mike Davis at (435) 286-4880 or Chris Hansen at (435) 448-2669.

Sincerely,  
CANYON FUEL COMPANY, LLC  
SUFCO Mine



Kenneth E. May  
General Manager

Encl.

cc: UDOGM - Price Field Office  
USFS - Manti-La Sal

KEM/MLD:kb

p:\govt2000\dogmmrp\Pines3ltr.doc

## APPLICATION FOR PERMIT PROCESSING

Permit Change <input checked="" type="checkbox"/>	New Permit <input type="checkbox"/>	Renewal <input type="checkbox"/>	Transfer <input type="checkbox"/>	Exploration <input type="checkbox"/>	Bond Release <input type="checkbox"/>	Permit Number: ACT/041/002
Title of Proposal: Third Submittal, Pines Tract Lease UTU-76195 Modification to MRP.						Mine: SUFCO MINE
						Permittee: CANYON FUEL CO., LLC

Description, include reason for application and timing required to implement: Lease Modification for the Pines Tract reserves that are located in Lease UTU-76195. This permit amendment is needed by April 15, 2000 to meet planned mine development. The revised R2P2 was resubmitted to BLM 2-99.

**Instructions:** If you answer yes to any of the first 8 questions (gray), this may be a Significant Revision and require Public Notice. Any questions, please call a Permit Supervisor.

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1. Change in the size of the Permit Area? <u>7,171.66</u> acres Disturbed Area? <u>0.017</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO #
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain:
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

☒ Attach    complete copies of the application.

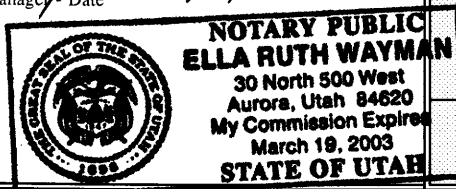
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Signed - Kenneth E. May 3/7/2000  
Signed - Kenneth E. May, General Manager - Date

Subscribed and sworn to before me this 7th day of March, 2000.

Ella Ruth Wayman  
Notary Public

My Commission Expires: \_\_\_\_\_, 20\_\_\_\_  
Attest: STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_



Received by Oil, Gas & Mining  
**RECEIVED**

MAR 09 2000

DIVISION OF  
OIL, GAS AND MINING

ASSIGNED TRACKING NUMBER

# Application for Permit Processing

## Detailed Schedule of Changes to the MRP

Title of Application: Third Submittal, Pines Tract Lease UTU-76195 Modification to MRP.

Permit Number: ACT/041/002

Mine: SUFCO MINE

Permittee: CANYON FUEL CO., LLC

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Page 1-37 in Chapter 1, in the Pines Tract Lease Submittal Binder Vol. 1.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 2-10, 2-18, and 2-19 in Chapter 2, in the Pines Tract Lease Submittal Binder Vol. 1.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 3-7, 3-16, and 3-18 in Chapter 3, in the Pines Tract Lease Submittal Binder Vol. 1.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Page 3-45 in Chapter 3, in the Pines Tract Lease Submittal Binder Vol. 1.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 4-1 to 4-3, 4-6, and 4-9 in Chapter 4, in the Pines Tract Lease Submittal Binder Vol. 1.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 4-ii, 4-7, and 4-10 in Chapter 4, in the Pines Tract Lease Submittal Binder Vol. 1.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Page 5-vi, and 5-16 in Chapter 5, in the Pines Tract Lease Submittal Binder Vol. 1.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 5-v, 5-11, 5-12, 5-12A, 5-14, 5-15, 5-20, 5-21, 5-25 to 5-29C, and 5-30 in Chapter 5, in the Pines Tract Lease Submittal Binder Vol. 1.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Page 7-18, 7-39, 7-58, and 7-59 in Chapter 7, in the Pines Tract Lease Submittal Binder Vol. 1.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 7-v, 7-69, and 7-70 in Chapter 7, in the Pines Tract Lease Submittal Binder Vol. 1.
<input checked="" type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1 in the Pines Tract Lease Submittal Binder Vol. 2.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-2 in the Pines Tract Lease Submittal Binder Vol. 2.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 4-1 with new Plates 4-1A and 4-1B in the Pines Tract Lease Submittal Binder Vol. 2.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 5-2C in the Pines Tract Lease Submittal Binder Vol. 2.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 5-7 in the Pines Tract Lease Submittal Binder Vol. 2.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 5-10 with new Plates 5-10A and 5-10B in the Pines Tract Lease Submittal Binder Vol. 2.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-2 with new Plates 7-2A and 7-2B in the Pines Tract Lease Submittal Binder Vol. 2.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-3 in the Pines Tract Lease Submittal Binder Vol. 2.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 9-1 in the Pines Tract Lease Submittal Binder Vol. 2.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add Muddy Creek Portal bond data sheets behind Bond Calculations in Appendix 5-9 in the Pines Tract Lease Submittal Binder Vol. 1.
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

# RECEIVED

MAR 13 2000

DIVISION OF  
OIL, GAS AND MINING

# Application for Permit Processing

## Detailed Schedule of Changes to the MRP

Title of Application: Pines Tract Lease UTU-76195 Modification to MRP.

Permit Number: ACT/041/002

Complete List of Changes for Original Submittal (7-14-99), Second

Mine: SUFCO MINE

Submittal (10-13-99), and Third Submittal (03-06-2000).

Permittee: CANYON FUEL CO., LLC

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit application. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise the existing mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 1-24 to 1-28, 1-30 to 1-35, 1-37 in Chapter 1, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 2-iii, 2-2, 2-3, 2-8, 2-10, 2-11, 2-13 to 2-15, 2-16A, 2-18, 2-19 Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 3-iv, 3-1, 3-4A, 3-5 to 3-9, 3-11, 3-16, 3-18, 3-35, and 3-45 in Chapter 3, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 4-ii, 4-1 to 4-12, 4-14, 4-16 to 4-18 in Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 5-v, 5-vi, 5-11 to 5-12A, 5-14 to 5-16, 5-20, 5-21, 5-25 to 5-29C, 5-30, 5-35, and 5-45 in Chapter 5, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 6-iii, 6-2, 6-4 to 6-10, 6-12 to 6-14 in Volume 2 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 7-v, 7-vi, 7-2, 7-3, 7-7, 7-7A, 7-9, 7-13, 7-15, 7-16, 7-16A, 7-18, 7-21, 7-23, 7-28, 7-30, 7-34, 7-38, 7-39, 7-39A, 7-43, 7-44, 7-45, 7-58, 7-59, 7-69, and 7-70 in Chapter 7, Volume 2 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Pages 9-4 to 9-7 in Chapter 9, Volume 2 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new Plate 2-2 in Chapter 2, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plates 3-1, 3-2, and 3-3 in Chapter 3, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 4-1 with new Plates 4-1A and 4-1B in Chapter 4, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plates 5-1, 5-2C, 5-5, 5-6, 5-7, and 5-10 with new Plates 5-10A and 5-10B in Chapter 5, Volume 1 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new Plate 5-11 in Chapter 5, Volume 1 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 6-1 in Chapter 6, Volume 2 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Add new Plates 6-3 and 6-4 in Chapter 6, Volume 2 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-2 with new Plates 7-2A and 7-2B, 7-3, and 7-8 in Chapter 7, Volume 2 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 9-1 in Chapter 9, Volume 2 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	New Coal Lease UTU-76195 document at the back of Appendix 1-2 in Volume 4 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Prime Farmland Determination Document at the back of Appendix 2-1 in Volume 4 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	New Appendix 2-7 and Appendix 2-8 in Volume 4 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	New Appendix 3-9 in Volume 5 of MRP.
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Replace Bond Calculations in Appendix 5-9 in Volume 6 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	New Pines Drill hole log sheets at the back of Appendix 6-1 in Volume 8 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	New Pines Coal analyses sheets at the back of Appendix 6-2 in Volume 8 of MRP.
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	New Pines Water Right Data Sheets at the back of Appendix 7-1 in Volume 9 of MRP.

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

This form includes all revised pages for the Pines Tract Lease UTU-76195 Modification originally submitted on July 14, 1999, and the revised pages for the deficiency responses submitted. This form when approved will combine and supersede the Original form submitted on July 14, 1999, the Second submittal form submitted on October 13, 1999, and the Third submittal form submitted on 3-06-2000.